

**Amendments to the Claims:**

This listing of claims will replace all prior versions and listings of claims in the instant application:

1. (Currently Amended) A method for computing within a grid environment comprising the steps of:

identifying a host software object operating in one grid of said grid environment;

creating a ghost software object within the one grid;

associating ~~[[a]]~~ said ghost software object with said host software object, wherein said ghost software object is configured to replicate and record at least one action of said host software object;

~~within said associated software object, replicating host actions;~~

~~recording said replicated actions;~~

moving said host software object from the one grid to another grid within said grid environment ~~to another grid;~~ and,

in response to said moving of said host software object, moving said associated ghost software object from said one grid to said another grid.

2. (Original) The method of claim 1, wherein said host software object comprises a user object.

3. (Currently Amended) The method of claim 2, wherein said user object represents a player of a distributed multi-player gaming system, ~~said recording step further comprising the step of:~~ wherein said ghost software object is configured to record ~~recording~~ actions taken by a user represented by said user object within said distributed multi-player gaming system.

4. (Currently Amended) The method of claim 1, wherein said ghost software object ~~is replicated~~ ~~actions are~~ passive actions, said method further comprising the step of:  
preventing said at least one replicated action by said ghost software object ~~actions~~ from operationally executing in said grid environment.
5. (Currently Amended) The method of claim 1, further comprising the steps of:  
determining a location for logging data that is external to said associated ghost software object; and,  
conveying said at least one recorded ~~replicated and recorded action~~ ~~actions~~ to said determined location.
6. (Currently Amended) The method of claim 1, further comprising the steps of:  
authenticating said associated ghost software object within said another grid; and,  
enabling said associated ghost software object to automatically enter said another grid based upon said authenticating step.
7. (Currently Amended) The method of claim 1, further comprising the steps of:  
generating a new action within said host software object; and,  
replicating said new action within said ghost ~~associated~~ software object.
8. (Currently Amended) The method of claim 1, further comprising the steps of:  
selecting a plurality of host software objects;  
for each one of the selected plurality of host software objects, repeating said identifying step, said creating step, said associating step, ~~said replicating step,~~ and said ~~recording step~~ moving step; and,

modeling behavior of at least a part of said grid environment using data obtained from ~~said recording steps~~ a plurality of ghost software objects associated with said selected plurality of host software objects.

9. (Currently Amended) The method of claim 1, further comprising the steps of:  
disassociating said ~~asseeiated~~ ghost software object from said host software object; and,  
associating said ~~previously~~ disassociated software object with a different host software object.

10. (Currently Amended) The method of claim 1, further comprising the steps of:  
cloning said associated ghost software object to create ~~[[a]]~~ another ghost software object, wherein said another ghost software object is a copy of said associated ghost software object; and,  
associating said ~~cloned~~ another ghost software object with a different host software object.

11. (Currently Amended) A computer-readable storage medium in a grid computing environment, comprising computer instructions ~~A system~~ for logging information retrieved from a ghost software object associated with a host software object operating within [[a]] said grid environment-comprising;  
wherein said host software object is configured to execute actions within said grid environment, wherein said host software object can move among ~~different~~ said plurality of grids of said grid environment; and,  
wherein a ghost agent is configured to log actions executed by said host software object, wherein said ghost agent is further configured to move among ~~different~~ said

plurality of grids of said grid environment to follow movement of said host software object.

12. (Currently Amended) The system computer-readable storage medium of claim 11, wherein said host software object represents a user of said grid environment.

13. (Currently Amended) The system computer-readable storage medium of claim 11, wherein said host software object represents an application within said grid environment.

14. (Currently Amended) The system computer-readable storage medium of claim 11, wherein said host software object represents a process performed within said grid environment.

15. (Currently Amended) The system computer-readable storage medium of claim 11, ~~further comprising:~~ wherein at least one of the plurality of computing resources comprises a ghost log repository, said repository comprising that is a data store configured to receive log messages from a plurality of ghost agents.

16. (Currently Amended) The system computer-readable storage medium of claim 11, ~~further comprising:~~ wherein a ghost interface is configured to bind said ghost agent to said host software object.

17. (Currently Amended) A computer-readable storage medium in a grid computing environment, comprising computer instructions for configuring a [[A]] ghost software object agent associated with a host software object operating within said grid enviroment, said ghost software object comprising:

a ghost log configured to record activities of [[a]] said host software object;

a ghost identifier configured to identify said ghost agent software object to components within said [[a]] grid environment; and,

a ghost controller for managing interactions between said ghost software object agent and components external to said ghost software object agent, wherein said ghost agent software object can automatically move within said grid environment responsive to predetermined conditions relating to said host software object.

18. (Currently Amended) The ~~ghost-agent~~ computer-readable storage medium of claim 17, ~~further comprising: means for linking wherein~~ said ghost agent software object is linked with said host software object in response to a command executed in said grid environment.

19. (Currently Amended) The ~~ghost-agent~~ computer-readable storage medium of claim 17, ~~further comprising: means for disassociating said ghost agent from said host software object; and, means for linking said disassociated ghost agent to a different host software object.~~ wherein said ghost software object is disassociated with said host software object and linked with a different host software object in response to one or more commands executed in said grid environment.

20. (Currently Amended) A machine-readable storage having stored thereon, a computer program having a plurality of code sections, said code sections executable by a machine for causing the machine to perform the steps of:

identifying a host software object operating in one grid;

selecting an existing blank ghost software object within the one grid;

associating [[a]] said blank ghost software object with said host software object;

in response to said associating of said blank ghost software object, configuring said blank ghost software object to replicate and record at least one action of said host software object;

~~within said associated software object, replicating host actions;~~  
~~recording said replicated actions;~~

moving said host software object from the one grid ~~within said grid environment~~ to another grid; and,

in response to said moving of said host software object, moving said configured associated ghost software object from said one grid to said another grid.

21. (Original) The machine-readable storage of claim 20, wherein said host software object comprises a user object.

22. (Currently Amended) The machine-readable storage of claim 19, wherein said user object represents a player of a distributed multi-player gaming system, ~~said recording step further comprising the step of:~~ and wherein said configured ghost software object is further configured to record ~~recording~~ actions taken by a user represented by said user object within said distributed multi-player gaming system.

23. (Currently Amended) The machine-readable storage of claim 20, wherein said configured ghost software object is replicated ~~actions are passive actions~~, said machine-readable storage further comprising the step of:

preventing said at least one replicated action by said configured ghost software object ~~actions~~ from executing ~~in said grid environment~~.

24. (Currently Amended) The machine-readable storage of claim 20, further comprising the steps of:

determining a location for logging data that is external to said ~~associated~~ configured ghost software object; and,

conveying said at least one ~~recorded~~-replicated and recorded action ~~actions~~ to said determined location.

25. (Currently Amended) The machine-readable storage of claim 20, further comprising the steps of:

authenticating said ~~associated~~ configured ghost software object within said another grid; and,

enabling said ~~associated~~ configured ghost software object to automatically enter said another grid based upon said authenticating step.

26. (Currently Amended) The machine-readable storage of claim 20, further comprising the steps of:

generating a new action within said host software object; and,

replicating said new action within said configured ghost ~~associated~~ software object.

27. (Currently Amended) The machine-readable storage of claim 20, further comprising the steps of:

selecting a plurality of host software objects;

for each one of the selected plurality of host software objects, repeating said identifying, said selecting, said associating step and ~~said configuring step, said replicating step, and said recording~~ moving steps; and,

modeling behavior of at least a part of said grid environment using data obtained from ~~said recording steps~~ a plurality of configured ghost software objects associated with said selected plurality of host software objects.

28. (Currently Amended) The machine-readable storage of claim 20, further comprising the steps of:

disassociating said configured ghost associated software object from said host software object; and,

associating said ~~previously associated~~ disassociated configured ghost software object with a different host software object.

29. (Currently Amended) The machine-readable storage of claim 20, further comprising the steps of:

creating a cloned ~~cloning said associated ghost~~ software object ~~to create a copied object,~~ wherein said cloned ghost software object is a copy of said configured ghost software object; and,

associating said cloned ghost software object with a different host software object.